

Patent Abstracts of Japan

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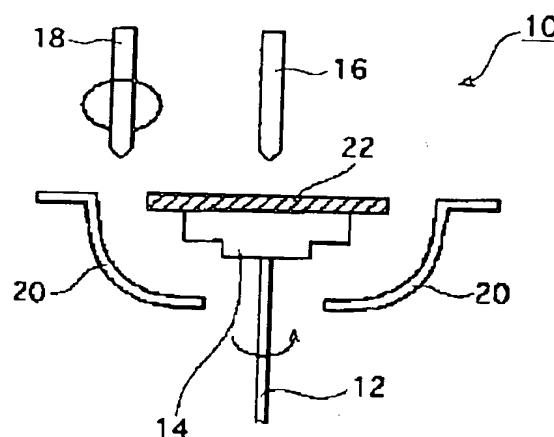
APPLICATION DATE : 24-11-94
 APPLICATION NUMBER : 06289373

APPLICANT : KAWASAKI STEEL CORP;

INVENTOR : HIRANO SHINJI;

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TITLE : FORMING METHOD FOR COATING
 FILM WITH SUPPRESSED
 GENERATION OF PARTICLES



ABSTRACT : PURPOSE: To prevent the generation of particles in the later step and to improve the yield of a product by setting the thickness of a rise of coating liquid by a spin coating method to a specific value or less.

CONSTITUTION: Coating film footing coating liquid is dropped from above the center of a surface to be coated while rotating a wafer 22 with a central axis perpendicular to the surface to be coated of the wafer 22 as a rotary axis 12, the liquid is spread to the surface to be coated by a centrifugal force to reduce the film. When organic solvent is sprayed to the coating film reduced in thickness of the outer periphery of the wafer 22 to form the cleaned and flattened coating film, liquidlike cooling solvent is sprayed to a boundary between the coating liquid and the solvent at the time of spraying the solvent to form the film having 0.5μm or less of the difference between the higher and lower surface of the coating film.

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